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* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Apr 08	"Ask CAS" for self-help around the clock
NEWS	3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS	4	Apr 09	ZDB will be removed from STN
NEWS	5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and
IFIUDB			
NEWS	6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and
ZCAPLUS			
NEWS	7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS	8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS	9	Jun 03	New e-mail delivery for search results now available
NEWS	10	Jun 10	MEDLINE Reload
NEWS	11	Jun 10	PCTFULL has been reloaded
NEWS	12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS	13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS	14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS	15	Jul 30	NETFIRST to be removed from STN
NEWS	16	Aug 08	CANCERLIT reload
NEWS	17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	18	Aug 08	NTIS has been reloaded and enhanced
NEWS	19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS	21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS	22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	23	Sep 03	JAPIO has been reloaded and enhanced
NEWS	24	Sep 16	Experimental properties added to the REGISTRY file
NEWS	25	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	26	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	27	Oct 21	EVENTLINE has been reloaded
NEWS	28	Oct 24	BEILSTEIN adds new search fields
NEWS	29	Oct 24	Nutraceuticals International (NUTRACEUT) now available on
STN			
NEWS	30	Oct 25	MEDLINE SDI run of October 8, 2002
NEWS	31	Nov 18	DKILIT has been renamed APOLLIT
NEWS	32	Nov 25	More calculated properties added to REGISTRY
NEWS	33	Dec 02	TIBKAT will be removed from STN
NEWS	34	Dec 04	CSA files on STN
NEWS	35	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	36	Dec 17	TOXCENTER enhanced with additional content
NEWS	37	Dec 17	Adis Clinical Trials Insight now available on STN

NEWS 38 Dec 30 ISMEC no longer available
 NEWS 39 Jan 21 NUTRACEUT offering one free connect hour in February 2003
 NEWS 40 Jan 21 PHARMAML offering one free connect hour in February 2003
 NEWS 41 Jan 29 Simultaneous left and right truncation added to COMPENDEX,
 ENERGY, INSPEC
 NEWS 42 Feb 13 CANCERLIT is no longer being updated
 NEWS 43 Feb 24 METADEX enhancements
 NEWS 44 Feb 24 PCTGEN now available on STN
 NEWS 45 Feb 24 TEMA now available on STN
 NEWS 46 Feb 26 NTIS now allows simultaneous left and right truncation
 NEWS 47 Feb 26 PCTFULL now contains images
 NEWS 48 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results
 NEWS 49 Mar 19 APOLLIT offering free connect time in April 2003
 NEWS 50 Mar 20 EVENTLINE will be removed from STN
 NEWS 51 Mar 24 PATDPAFULL now available on STN
 NEWS 52 Mar 24 Additional information for trade-named substances without
 structures available in REGISTRY
 NEWS 53 Mar 24 Indexing from 1957 to 1966 added to records in CA/CAPLUS

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,
 CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
 AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002

NEWS HOURS STN Operating Hours Plus Help Desk Availability
 NEWS INTER General Internet Information
 NEWS LOGIN Welcome Banner and News Items
 NEWS PHONE Direct Dial and Telecommunication Network Access to STN
 NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 09:54:27 ON 04 APR 2003

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 09:54:34 ON 04 APR 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 2 APR 2003 HIGHEST RN 501410-52-2

DICTIONARY FILE UPDATES: 2 APR 2003 HIGHEST RN 501410-52-2

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

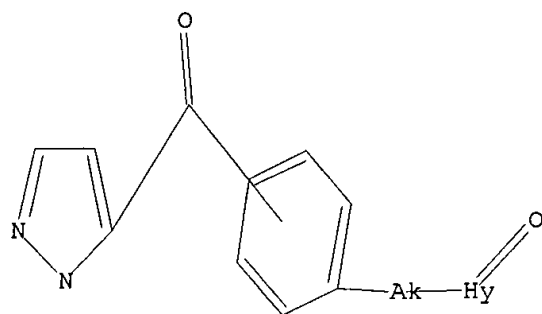
Uploading 09937631.str

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 ful

FULL SEARCH INITIATED 09:54:47 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 66867 TO ITERATE

100.0% PROCESSED 66867 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.02

L2 0 SEA SSS FUL L1

=>

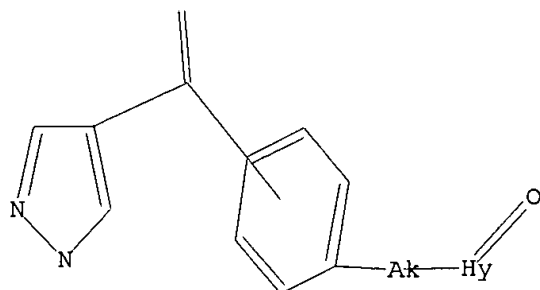
Uploading 09937631.str

L3 STRUCTURE UPLOADED

=> d

L3 HAS NO ANSWERS

L3 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 12 ful

FULL SEARCH INITIATED 09:55:25 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 66867 TO ITERATE

100.0% PROCESSED 66867 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.02

L4 0 SEA SSS FUL L1

=>

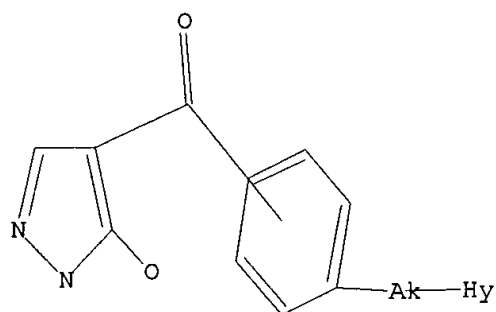
Uploading 09937631.str

L5 STRUCTURE UPLOADED

=> d

L5 HAS NO ANSWERS

L5 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 15 ful

FULL SEARCH INITIATED 09:56:05 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 12321 TO ITERATE

100.0% PROCESSED 12321 ITERATIONS

56 ANSWERS

SEARCH TIME: 00.00.01

L6 56 SEA SSS FUL L5

=> s l6 and caplus/lc
27129798 CAPLUS/LC

L7 55 L6 AND CAPLUS/LC

=> s l6 not l7

L8 1 L6 NOT L7

=> d

L8 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS

RN 347399-60-4 REGISTRY

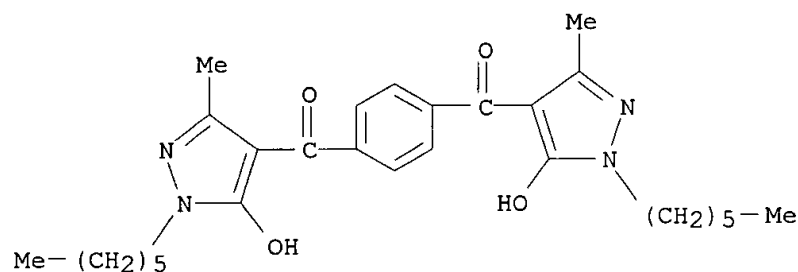
CN Methanone, 1,4-phenylenebis[(1-hexyl-5-hydroxy-3-methyl-1H-pyrazol-4-yl)-
(9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C28 H38 N4 O4

SR Chemical Library

LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

450.35

450.56

FILE 'CAPLUS' ENTERED AT 09:56:22 ON 04 APR 2003

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FILE COVERS 1907 - 4 Apr 2003 VOL 138 ISS 15
FILE LAST UPDATED: 3 Apr 2003 (20030403/ED)

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> d his

(FILE 'HOME' ENTERED AT 09:54:27 ON 04 APR 2003)

FILE 'REGISTRY' ENTERED AT 09:54:34 ON 04 APR 2003

L1 STRUCTURE UPLOADED
L2 0 S L1 FUL
L3 STRUCTURE UPLOADED
L4 0 S L2 FUL
L5 STRUCTURE UPLOADED
L6 56 S L5 FUL
L7 55 S L6 AND CAPLUS/LC
L8 1 S L6 NOT L7

FILE 'CAPLUS' ENTERED AT 09:56:22 ON 04 APR 2003

=> s l6

L9 14 L6

=> s wo0058306/pn

L10 0 WO0058306/PN
(WO58306/PN)

=> s wo200058306/pn

L11 1 WO200058306/PN
(WO2000058306/PN)

=> s l9 not l11

L12 13 L9 NOT L11

=> d 1-13 ibib abs hitstr

L12 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:107336 CAPLUS

DOCUMENT NUMBER: 136:151159

TITLE: Preparation of heteroarylidene cyanamides as
herbicides

INVENTOR(S): Mueller, Klaus-Helmut; Herrmann, Stefan; Hoischen,
Dorothee; Lehr, Stefan; Schwarz, Hans-Georg;
Schallner, Otto; Drewes, Mark Wilhelm; Dahmen, Peter;
Feucht, Dieter; Pontzen, Rolf

PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 85 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

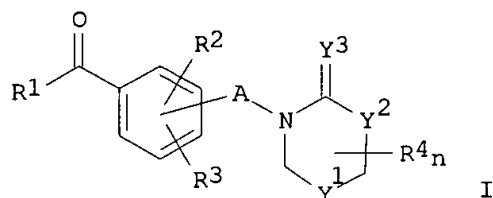
LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

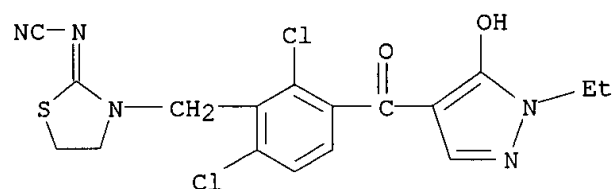
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2002010155 A1 20020207 WO 2001-EP8225 20010717
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT,
RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US,
UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
DE 10037149 A1 20020207 DE 2000-10037149 20000729
PRIORITY APPLN. INFO.: DE 2000-10037149 A 20000729
OTHER SOURCE(S): MARPAT 136:151159
GI



AB Title compds. [I; n = 0-4; A = alkylene; R1 = (substituted)
1-oxocyclohex-2-en-2-yl, 1H-pyrazol-4-yl, 4-isoxazolyl, alkylcarbonyl;
R2,
R3 = H, NO₂, cyano, CO₂H, carbamoyl, thiocarbamoyl, halo, (substituted)
alkyl, alkoxy, etc.; R4 = (substituted) alkyl; Y1 = bond, O, S, NZ,
(substituted) alkylene; Y2 = S, NZ; Y3 = NY₄, NY₄Y₅, O; Y4 = H, cyano,
NO₂, (substituted) alkylcarbonyl, alkylsulfonyl, arylcarbonyl,
arylsulfonyl; Y5 = cyano, NO₂, (substituted) alkylcarbonyl,
alkylsulfonyl,
arylcarbonyl, arylsulfonyl; Z = H, (substituted) alkyl, alkenyl,
alkynyl],
were prepd. Thus, a mixt. of
2-[(2-cyanoimino-1,3-thiazol-3-yl)methyl]-4-
trifluoromethylbenzoic acid (prepn. given), 1,3-cyclohexanedione, and
dicyclohexylcarbodiimide (DCC) in MeCN was stirred for 20 h at room temp.
followed by addn. of Et₃N and Me₃SiCN and stirring for 2 h at room temp.
to give
3-[2-([2,6-dioxocyclohexyl]carbonyl)-5-trifluoromethylbenzyl]-1,3-
thiazol-2-ylidene cyanamide. I were said to show very strong pre- and
postemergent herbicidal activity and good crop tolerance.
IT **395069-24-6P 395069-26-8P 395069-35-9P**
395069-36-0P 395069-37-1P 395069-38-2P
395069-41-7P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN
(Synthetic preparation); BIOL (Biological study); PREP (Preparation);
USES
(Uses)
(prepn. of heteroarylidene cyanamides as herbicides)
RN 395069-24-6 CAPLUS
CN Cyanamide, [3-[[2,6-dichloro-3-[(1-ethyl-5-hydroxy-1H-pyrazol-4-

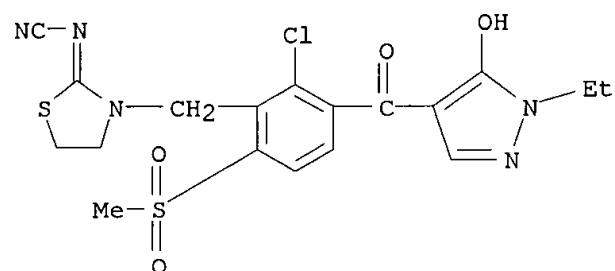
yl)carbonyl]phenyl)methyl]-2-thiazolidinylidene]- (9CI) (CA INDEX NAME)



RN 395069-26-8 CAPLUS

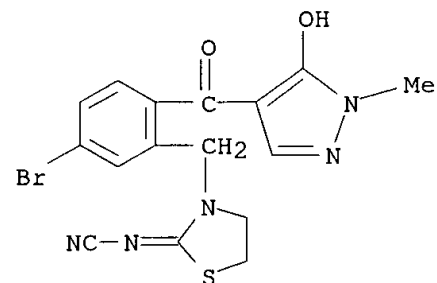
CN Cyanamide,

[3-[[2-chloro-3-[(1-ethyl-5-hydroxy-1H-pyrazol-4-yl)carbonyl]-6-(methylsulfonyl)phenyl]methyl]-2-thiazolidinylidene]- (9CI) (CA INDEX NAME)



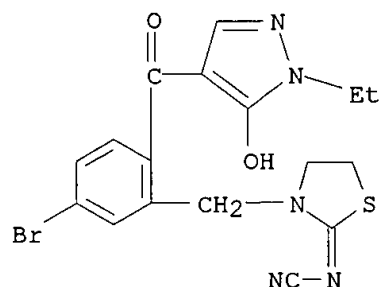
RN 395069-35-9 CAPLUS

CN Cyanamide, [3-[[5-bromo-2-[(5-hydroxy-1-methyl-1H-pyrazol-4-yl)carbonyl]phenyl]methyl]-2-thiazolidinylidene]- (9CI) (CA INDEX NAME)



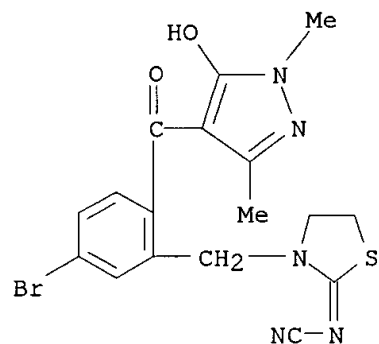
RN 395069-36-0 CAPLUS

CN Cyanamide, [3-[[5-bromo-2-[(1-ethyl-5-hydroxy-1H-pyrazol-4-yl)carbonyl]phenyl]methyl]-2-thiazolidinylidene]- (9CI) (CA INDEX NAME)



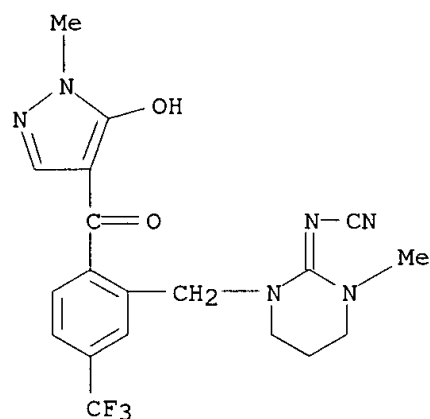
RN 395069-37-1 CAPLUS

CN Cyanamide, [3-[[5-bromo-2-[(5-hydroxy-1,3-dimethyl-1H-pyrazol-4-yl)carbonyl]phenyl]methyl]-2-thiazolidinylidene]- (9CI) (CA INDEX NAME)



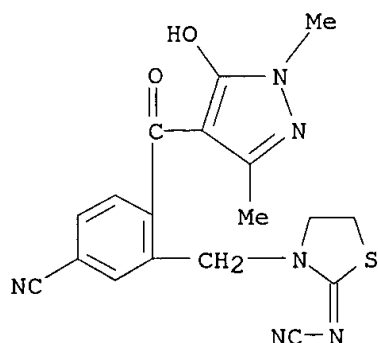
RN 395069-38-2 CAPLUS

CN Cyanamide, [tetrahydro-1-[[2-[(5-hydroxy-1-methyl-1H-pyrazol-4-yl)carbonyl]-5-(trifluoromethyl)phenyl]methyl]-3-methyl-2(1H)-pyrimidinylidene]- (9CI) (CA INDEX NAME)



RN 395069-41-7 CAPLUS

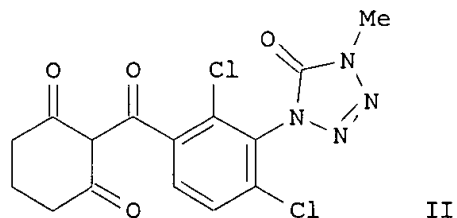
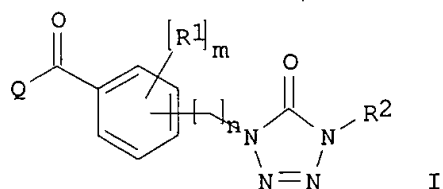
CN Cyanamide, [3-[[5-cyano-2-[(5-hydroxy-1,3-dimethyl-1H-pyrazol-4-yl)carbonyl]phenyl]methyl]-2-thiazolidinylidene]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L12 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:115133 CAPLUS
DOCUMENT NUMBER: 134:163041
TITLE: Preparation of herbicidal tetrazolinones
INVENTOR(S): Yanagi, Akihiko; Narabu, Shinichi; Goto, Toshio; Ito, Seishi; Ueno, Chieko
PATENT ASSIGNEE(S): Nihon Bayer Agrochem K.K., Japan
SOURCE: PCT Int. Appl., 115 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001010850	A1	20010215	WO 2000-IB1064	20000728
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
BR 2000013075	A	20020521	BR 2000-13075	20000728
EP 1208090	A1	20020529	EP 2000-944182	20000728
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
JP 2003506443	T2	20030218	JP 2001-515316	20000728
JP 2001114769	A2	20010424	JP 2000-231450	20000731
PRIORITY APPLN. INFO.:			JP 1999-226845	A 19990810
			WO 2000-IB1064	W 20000728
OTHER SOURCE(S):		MARPAT 134:163041		
GI				



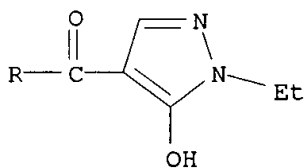
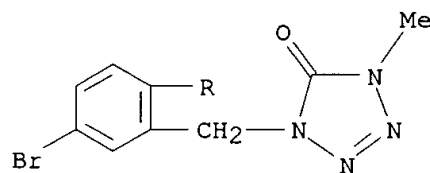
AB The title compds. [I; R1 = halo, alkyl, haloalkyl, etc.; R2 = H, alkyl, (un)substituted cycloalkyl, etc.; m = 0-2; n = 0-1; Q = (un)substituted 1,3-dioxo-2-cyclohexanyl, 5-hydroxy-4-pyrazolyl, 4-isoxazolyl, etc.], useful as herbicides, were prepd. Thus, treatment of

2,4-dichloro-3-(4,5-dihydro-4-methyl-5-oxo-1H-tetrazol-1-yl)benzoic acid with SOCl₂ followed by reaction of the resulting acid chloride with 1,3-cyclohexanedione afforded 51% II which showed more than 90% of herbicidal activity against barnyardgrass, foxtail, common amaranth and knotweed at 2.0 kg/ha.

IT **325459-96-9P 325460-11-5P 325460-19-3P**
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of herbicidal tetrazolinones)

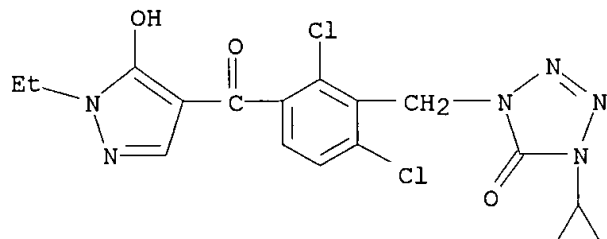
RN 325459-96-9 CAPLUS

CN 5H-Tetrazol-5-one, 1-[[5-bromo-2-[(1-ethyl-5-hydroxy-1H-pyrazol-4-yl)carbonyl]phenyl]methyl]-1,4-dihydro-4-methyl- (9CI) (CA INDEX NAME)

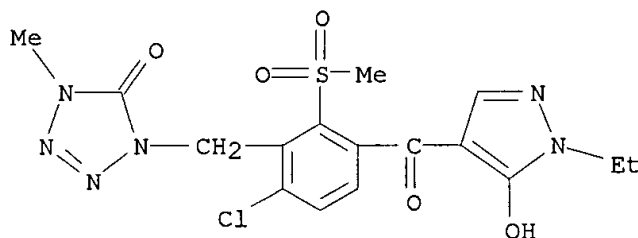


RN 325460-11-5 CAPLUS

CN 5H-Tetrazol-5-one,
1-cyclopropyl-4-[[2,6-dichloro-3-[(1-ethyl-5-hydroxy-1H-
pyrazol-4-yl)carbonyl]phenyl]methyl]-1,4-dihydro- (9CI) (CA INDEX NAME)



RN 325460-19-3 CAPLUS
CN 5H-Tetrazol-5-one, 1-[[6-chloro-3-[(1-ethyl-5-hydroxy-1H-pyrazol-4-
yl)carbonyl]-2-(methylsulfonyl)phenyl]methyl]-1,4-dihydro-4-methyl- (9CI)
(CA INDEX NAME)



REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR
THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L12 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001:50625 CAPLUS

DOCUMENT NUMBER: 134:100866

TITLE: Preparation of N-alkyl-3-alkenylbenzoylpyrazoles as
herbicides.

INVENTOR(S): Neidlein, Ulf; Gotz, Norbert; Baumann, Ernest; Von
Deyn, Wolfgang; Kudis, Steffen; Gotz, Roland;
Langemann, Klaus; Mayer, Guido; Misslitz, Ulf;
Witschel, Matthias; Otten, Martina; Westphalen,
Karl-Otto; Walter, Helmut

PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany; Von Deyn, Wolfgang

SOURCE: PCT Int. Appl., 34 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

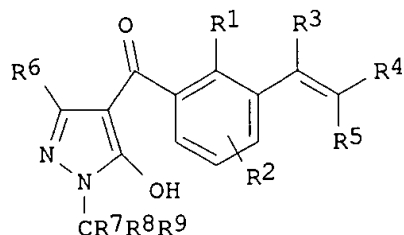
LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

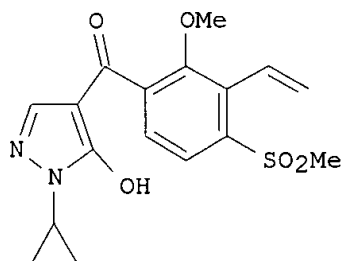
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001004095	A2	20010118	WO 2000-EP5857	20000623

WO 2001004095 A3 20010426
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
BR 2000012285 A 20020326 BR 2000-12285 20000623
EP 1194408 A2 20020410 EP 2000-942128 20000623
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO
JP 2003504355 T2 20030204 JP 2001-509706 20000623
PRIORITY APPLN. INFO.: DE 1999-19931881 A 19990709
WO 2000-EP5857 W 20000623
OTHER SOURCE(S): MARPAT 134:100866
GI



I



II

AB Title compds. [I; R1 = H, NO2, halo, cyano, rhodano, alkyl, alkoxy, haloalkyl, alkylthio, alkenyl, alkynyl; R2 = SonR10, SO2OR11, NR12SO2R13, etc.; R3 = H, halo, alkyl, haloalkyl, alkoxy, alkenyl, alkynyl; R4, R5 = H, NO2, halo, cyano, rhodano, alkyl, haloalkyl, cycloalkyl, alkenyl, cycloalkenyl, alkynyl, alkylthio, haloalkoxy, etc.; R6 = H, halo, alkyl, alkoxy, cycloalkyl; R7, R8, R9 = H, alkyl, haloalkyl, cyanoalkyl; n = 0-2;

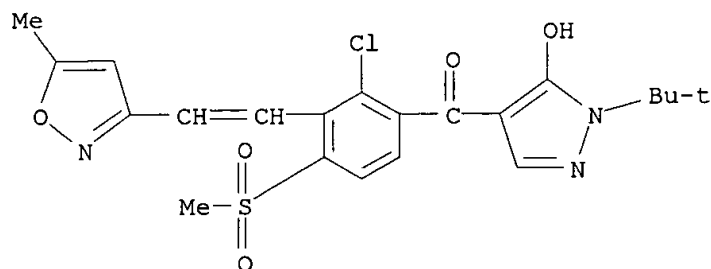
R10 = alkyl, haloalkyl, alkoxyalkyl, alkenyl, alkynyl; R11 = H, alkyl, haloalkyl, alkoxyalkyl, alkenyl, alkynyl; R12 = H, alkyl; R13 = alkyl, haloalkyl], were prepd. Thus, title compd. (II) at 0.125 kg/ha postemergent gave complete control of lambsquarters and ladysthumb.

IT **319906-64-4P**

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of N-alkyl-3-alkenylbenzoylpyrazoles as herbicides)

RN 319906-64-4 CAPLUS

CN Methanone, [2-chloro-3-[2-(5-methyl-3-isoxazolyl)ethenyl]-4-(methylsulfonyl)phenyl][1-(1,1-dimethylethyl)-5-hydroxy-1H-pyrazol-4-yl]-(9CI) (CA INDEX NAME)



L12 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2000:614080 CAPLUS

DOCUMENT NUMBER: 133:304904

TITLE: Coordination number incommensurate cluster formation, part 14. Lord of the rings: an octameric lanthanum pyrazolonate cluster

AUTHOR(S): Xu, Jide; Raymond, Kenneth N.

CORPORATE SOURCE: Department of Chemistry, University of California, Berkeley, CA, 94720, USA

SOURCE: Angewandte Chemie, International Edition (2000), 39(15), 2745-2747

CODEN: ACIEF5; ISSN: 1433-7851

PUBLISHER: Wiley-VCH Verlag GmbH

DOCUMENT TYPE: Journal

LANGUAGE: English

AB 4-(1,3,5-Benzenetricarbonyl)tris(3-methyl-1-phenyl-2-pyrazolin-5-one) (H3L) was prepd. from 3-methyl-1-phenyl-2-pyrazolin-5-one and 1,3,5-benzenetricarbonyl trichloride and reacted with La(acac)₃ to give [La₈L₈(DMSO)₃]. The crystal structure of [La₈L₈.9.3MeOH.10.7DMSO.4H₂O].20

MeOH.12H₂O.x(solvent) was detd.: tetragonal, space group P4/n, Z = 2, R₁

=

0.1274, wR₂ = 0.248. This complex has a unique square antiprismatic, 3-dimensional ring structure [La₈L₈]. Each La atom is coordinated by 3 L and each ligand coordinates to 3 La atoms. In this cluster nine-coordinate La atoms are linked by 6-coordinate chelate ligands. The residual coordination sites of the La atoms are occupied by solvent mols.

IT **250773-77-4P**

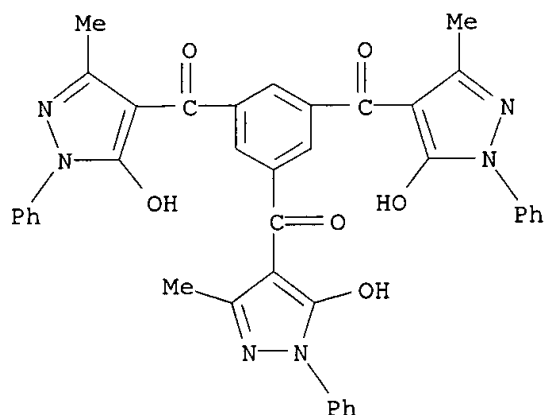
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. and complexation with lanthanum)

RN 250773-77-4 CAPLUS

CN Methanone,

1,3,5-benzenetriyltris[(5-hydroxy-3-methyl-1-phenyl-1H-pyrazol-4-yl)-(9CI) (CA INDEX NAME)



REFERENCE COUNT: 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L12 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1999:676247 CAPLUS

DOCUMENT NUMBER: 132:8465

TITLE: Coordination number incommensurate cluster formation,
part 12. Self-assembly of a three-dimensional
[Ga6(L2)6] metal-ligand "cylinder"

AUTHOR(S): Johnson, Darren W.; Xu, Jide; Saalfrank, Rolf W.;
Raymond, Kenneth N.

CORPORATE SOURCE: Department of Chemistry, University of California,
Berkeley, CA, 94720, USA

SOURCE: Angewandte Chemie, International Edition (1999),
38(19), 2882-2885

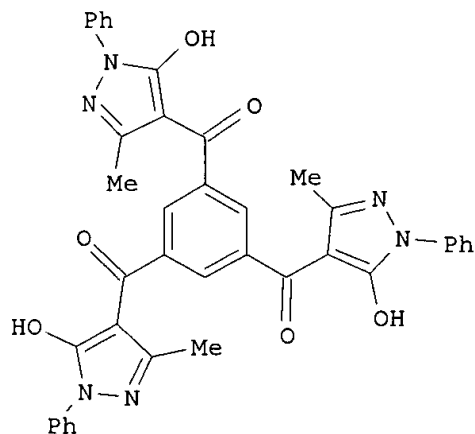
CODEN: ACIEF5; ISSN: 1433-7851

PUBLISHER: Wiley-VCH Verlag GmbH

DOCUMENT TYPE: Journal

LANGUAGE: English

GI



AB The 3-fold sym., tris-.beta.-diketonate ligand I (H3L2) reacts with Ga(acac)3 (acac = acetylacetonate) in DMSO at 90.degree. to afford [Ga6(L2)6], a "cylinder" cluster having idealized D3 symmetry. A crystal structure study of the new cluster geometry shows Ga atoms define a distorted trigonal antiprism in which six ligands make up the equatorial faces of the cylinder with a hole at the top and the bottom. The mol. exists as a racemic mixt. of homochiral, hexanuclear clusters (.DELTA..DELTA..DELTA..DELTA..DELTA..DELTA. or .LAMBDA..LAMBDA..LAMBDA..LAMBDA..LAMBDA..LAMBDA.) in the solid state and in soln. The complicated 1H and 13C NMR spectra of [Ga6(L2)6] are discussed.

IT 250773-77-4P

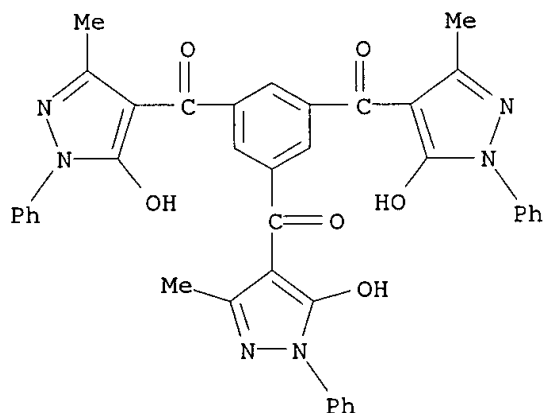
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. and complexation with gallium(III) to give hexanuclear cylinder cluster)

RN 250773-77-4 CAPLUS

CN Methanone,

1,3,5-benzenetriyltris[(5-hydroxy-3-methyl-1-phenyl-1H-pyrazol-4-yl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1999:126893 CAPLUS

DOCUMENT NUMBER: 130:168367

TITLE: Preparation of 4-benzoylpyrazoles as herbicides

INVENTOR(S): Engel, Stefan; Rheinheimer, Joachim; Baumann, Ernst; Von Deyn, Wolfgang; Hill, Regina Luise; Mayer, Guido; Misslitz, Ulf; Wagner, Oliver; Witschel, Matthias; Otten, Martina; Walter, Helmut; Westphalen, Karl-Otto

PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany

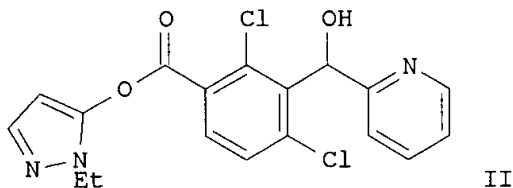
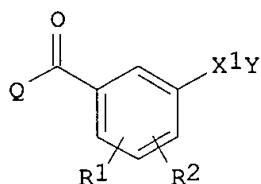
SOURCE: PCT Int. Appl., 99 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9907697	A1	19990218	WO 1998-EP4481	19980720
W: AL, AU, BG, BR, BY, CA, CN, CZ, GE, HU, ID, IL, JP, KR, KZ, LT, LV, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9890665	A1	19990301	AU 1998-90665	19980720
EP 1003736	A1	20000531	EP 1998-942572	19980720
R: CH, DE, FR, GB, LI				
JP 2001512726	T2	20010828	JP 2000-506201	19980720
ZA 9807055	A	20000207	ZA 1998-7055	19980806
US 6156702	A	20001205	US 2000-485232	20000207
PRIORITY APPLN. INFO.:			DE 1997-19734186 A	19970807
			WO 1998-EP4481 W	19980720
OTHER SOURCE(S):		MARPAT 130:168367		
GI				



AB Title compds. [I; R₁, R₂ = H, SH, NO₂, halo, cyano, rhodano, alkyl, haloalkyl, alkoxy, alkenyl, alkynyl, OR₃, O₂CR₃, OSO₂R₃, NR₃SO₃R₃, etc.; R₃ = H, (substituted) alkyl, haloalkyl, alkenyl, alkynyl, Ph, phenylalkyl;

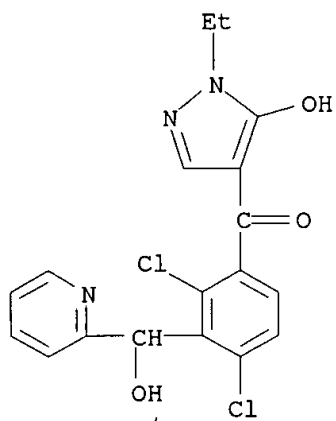
Q = specified pyrazolyl residue; X₁ = (substituted) alkylene, alkenylene, alkynylene; Y = 3-6 membered (substituted) heteroaryl, (satd.) heterocyclyl], were prepd. as herbicides (no data). Thus, 2,4-dichloro-3-[(2-pyridyl)(hydroxymethyl)]benzoic acid (prepn. given), 1-ethyl-5-hydroxypyrazole, and DCC were stirred in MeCN to give title compd. (II).

IT 220282-95-1P 220282-96-2P 220282-97-3P
 220282-98-4P 220282-99-5P 220283-00-1P
 220283-01-2P 220283-02-3P 220283-03-4P
 220283-04-5P 220283-05-6P 220283-06-7P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of 4-benzoylpyrazoles as herbicides)

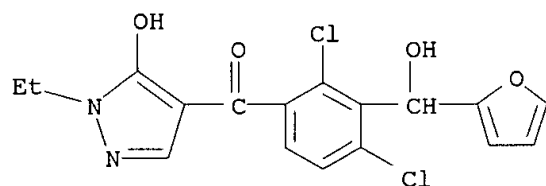
RN 220282-95-1 CAPLUS

CN Methanone, [2,4-dichloro-3-(hydroxy-2-pyridinylmethyl)phenyl] (1-ethyl-5-hydroxy-1H-pyrazol-4-yl)- (9CI) (CA INDEX NAME)



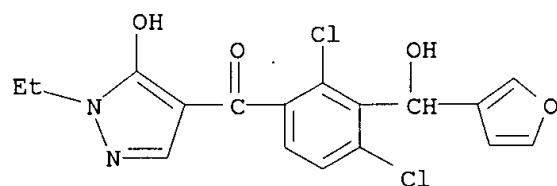
RN 220282-96-2 CAPLUS

CN Methanone, [2,4-dichloro-3-(2-furanylhydroxymethyl)phenyl] (1-ethyl-5-hydroxy-1H-pyrazol-4-yl)- (9CI) (CA INDEX NAME)



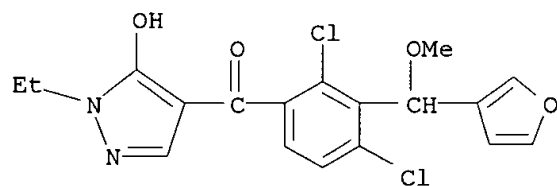
RN 220282-97-3 CAPLUS

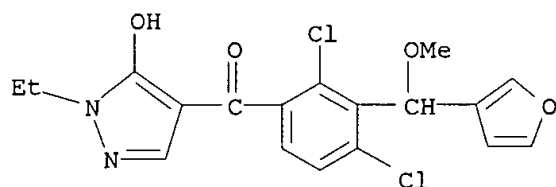
CN Methanone, [2,4-dichloro-3-(3-furanylhydroxymethyl)phenyl] (1-ethyl-5-hydroxy-1H-pyrazol-4-yl)- (9CI) (CA INDEX NAME)



RN 220282-98-4 CAPLUS

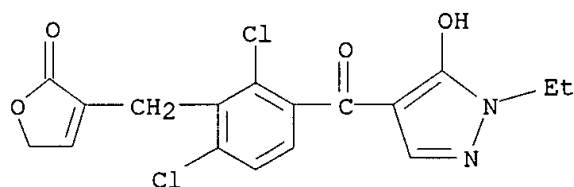
CN Methanone, [2,4-dichloro-3-(3-furanylmethoxymethyl)phenyl] (1-ethyl-5-hydroxy-1H-pyrazol-4-yl)- (9CI) (CA INDEX NAME)





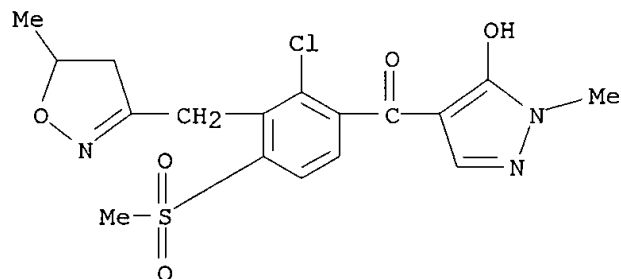
RN 220282-99-5 CAPLUS

CN 2(5H)-Furanone, 3-[[2,6-dichloro-3-[(1-ethyl-5-hydroxy-1H-pyrazol-4-yl)carbonyl]phenyl]methyl]- (9CI) (CA INDEX NAME)



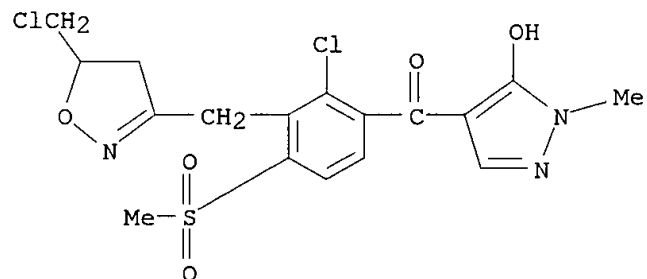
RN 220283-00-1 CAPLUS

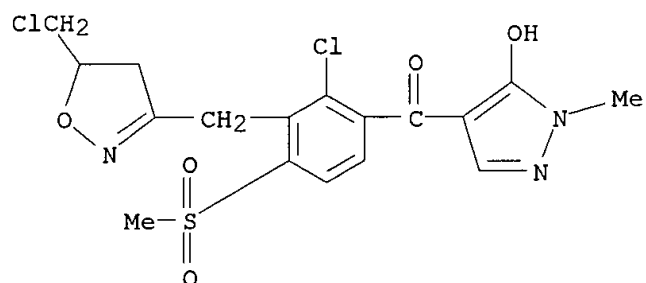
CN Methanone, [2-chloro-3-[(4,5-dihydro-5-methyl-3-isoxazolyl)methyl]-4-(methylsulfonyl)phenyl] (5-hydroxy-1-methyl-1H-pyrazol-4-yl)- (9CI) (CA INDEX NAME)



RN 220283-01-2 CAPLUS

CN Methanone, [2-chloro-3-[[5-(chloromethyl)-4,5-dihydro-3-isoxazolyl]methyl]-4-(methylsulfonyl)phenyl] (5-hydroxy-1-methyl-1H-pyrazol-4-yl)- (9CI) (CA INDEX NAME)

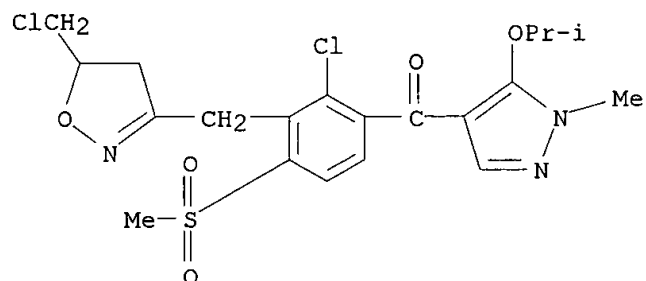




RN 220283-02-3 CAPLUS

CN Methanone,

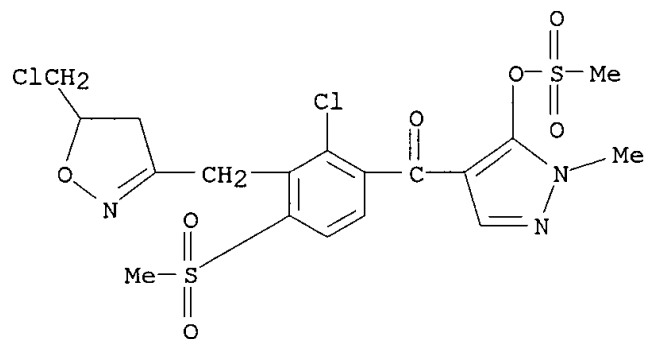
[2-chloro-3-[[5-(chloromethyl)-4,5-dihydro-3-isoxazolyl]methyl]-
4-(methylsulfonyl)phenyl][1-methyl-5-(1-methylethoxy)-1H-pyrazol-4-yl]-
(9CI) (CA INDEX NAME)



RN 220283-03-4 CAPLUS

CN Methanone,

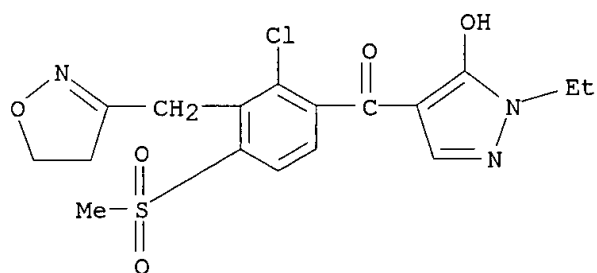
[2-chloro-3-[[5-(chloromethyl)-4,5-dihydro-3-isoxazolyl]methyl]-
4-(methylsulfonyl)phenyl][1-methyl-5-[(methylsulfonyl)oxy]-1H-pyrazol-4-
yl]- (9CI) (CA INDEX NAME)



RN 220283-04-5 CAPLUS

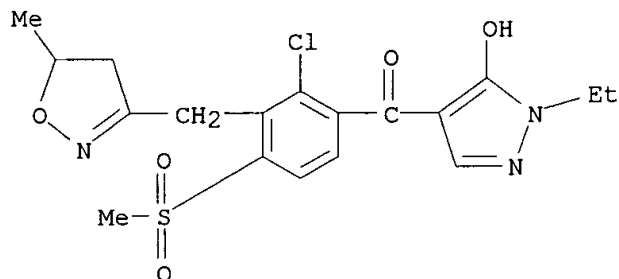
CN Methanone,

[2-chloro-3-[(4,5-dihydro-3-isoxazolyl)methyl]-4-
(methylsulfonyl)phenyl][1-ethyl-5-hydroxy-1H-pyrazol-4-yl]- (9CI) (CA
INDEX NAME)



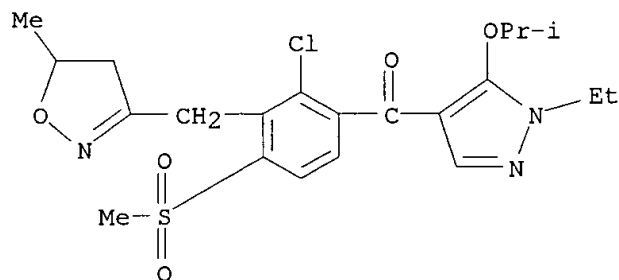
RN 220283-05-6 CAPLUS

CN Methanone, [2-chloro-3-[(4,5-dihydro-5-methyl-3-isoxazolyl)methyl]-4-(methylsulfonyl)phenyl] (1-ethyl-5-hydroxy-1H-pyrazol-4-yl)- (9CI) (CA INDEX NAME)



RN 220283-06-7 CAPLUS

CN Methanone, [2-chloro-3-[(4,5-dihydro-5-methyl-3-isoxazolyl)methyl]-4-(methylsulfonyl)phenyl] [1-ethyl-5-(1-methylethoxy)-1H-pyrazol-4-yl]- (9CI)
(CA INDEX NAME)



REFERENCE COUNT:

6

THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L12 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1998:745038 CAPLUS

DOCUMENT NUMBER: 129:343490

TITLE: Preparation of 4-(3-alkenylbenzoyl)pyrazoles as herbicides.

INVENTOR(S): Baumann, Ernst; Von Deyn, Wolfgang; Engel, Stefan;
Hill, Regina Luise; Kardorff, Uwe; Mayer, Guido;
Otten, Martina; Rack, Michael; Rheinheimer, Joachim;
Witschel, Matthias; Westphalen, Karl-otto; Missblitz,
Ulf; Walter, Helmut

PATENT ASSIGNEE(S): Basf A.-G., Germany; et al.

SOURCE: PCT Int. Appl., 294 pp.
CODEN: PIXXD2

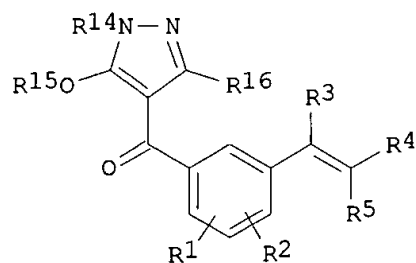
DOCUMENT TYPE: Patent

LANGUAGE: German

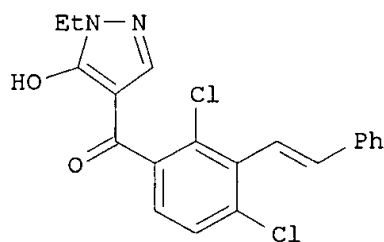
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9850366	A1	19981112	WO 1998-EP2433	19980505
W: AL, AU, BG, BR, BY, CA, CN, CZ, GE, HU, ID, IL, JP, KR, KZ, LT, LV, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, UZ, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9876479	A1	19981127	AU 1998-76479	19980505
AU 749055	B2	20020620		
EP 984944	A1	20000315	EP 1998-924195	19980505
R: AT, BE, CH, DE, ES, FR, GB, LI, PT				
BR 9809788	A	20000620	BR 1998-9788	19980505
JP 2001527548	T2	20011225	JP 1998-547674	19980505
ZA 9803797	A	19991117	ZA 1998-3797	19980506
MX 9909698	A	20000430	MX 1999-9698	19991022
US 6143696	A	20001107	US 1999-423077	19991122
PRIORITY APPLN. INFO.:			DE 1997-19726710 A	19970507
			WO 1998-EP2433 W	19980505
OTHER SOURCE(S):		MARPAT 129:343490		
GI				



I



II

AB Title compds. [I; R¹, R² = H, NO₂, halo, cyano, rhodano, (halo)alkyl, alkoxyalkyl, alkenyl, alkynyl, OR₆, OCOR₇, OSO₂R₇, SH, S(O)_nR₈, SO₂OR₆, SO₂NR₆R₉, NR₉SO₂R₇, NR₉COR₇; n = 0-2; R³ = H, halo, (halo)alkyl, alkoxy, alkenyl, alkynyl; R⁴, R⁵ = H, NO₂, halo, cyano, rhodano, (halo)alkyl, cycloalkyl, alkenyl, cycloalkenyl, alkynyl, alkythio, haloalkoxy, COR₁₀, CO₂R₁₀, COSR₁₀, CONR₁₀R₁₁, C(R₁₂):NR₁₃, PO(OR₁₀)(OR₁₁), (substituted) alkyl, heterocyclyl(alkyl), Ph, phenylalkyl, heteroaryl(alkyl); R₄R₅C = (substituted and/or heteroatom-interrupted) alkylene; R₆ = H, (halo)alkyl,

alkoxyalkyl, alkenyl, alkynyl; R7 = (halo)alkyl; R8 = (halo)alkyl, alkoxyalkyl, alkenyl, alkynyl; R9 = H, alkyl; R10 = H, cycloalkyl, (halo)alkyl, alkenyl, alkynyl, (substituted) Ph, PhCH2; R11 = H, alkyl, alkenyl, alkynyl; R10R11 = (substituted and/or heteroatom-interrupted) alkylene; R12 = H, (halo)alkyl, alkoxy, alkoxy carbonyl, cycloalkyl, alkenyl, alkynyl, (substituted) Ph, PhCH2; R13 = (halo)alkyl, cycloalkyl, alkenyl, alkynyl, (halo)alkoxy, cycloalkoxy, alkenyloxy, Ph, PhCH2; R14 = (halo)alkyl, (substituted) Ph, PhCH2; R15 = H, (halo)alkyl, (halo) alkylcarbonyl, alkoxy carbonyl, (halo)alkylsulfonyl, (substituted) phenylalkyl, PhCO, PhCOCH2, PhO2C, PhSO2; R16 = H, (halo)alkyl], were prepd. Title compd. (II) at 0.25-0.5 kg/ha postemergent was said to give very good herbicidal activity while leaving summer wheat undamaged.

IT 215363-74-9P 215363-75-0P 215363-76-1P

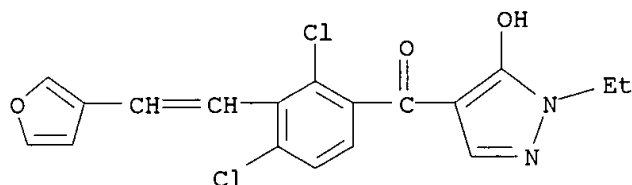
215363-78-3P 215363-88-5P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of 4-(3-alkenylbenzoyl)pyrazoles as herbicides)

RN 215363-74-9 CAPLUS

CN Methanone,

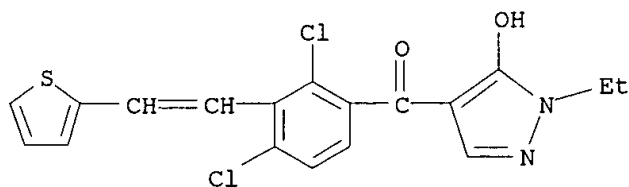
[2,4-dichloro-3-[2-(3-furanyl)ethenyl]phenyl] (1-ethyl-5-hydroxy-1H-pyrazol-4-yl)- (9CI) (CA INDEX NAME)



RN 215363-75-0 CAPLUS

CN Methanone,

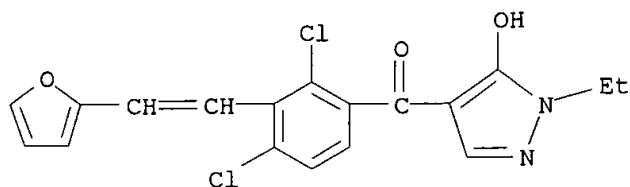
[2,4-dichloro-3-[2-(2-thienyl)ethenyl]phenyl] (1-ethyl-5-hydroxy-1H-pyrazol-4-yl)- (9CI) (CA INDEX NAME)



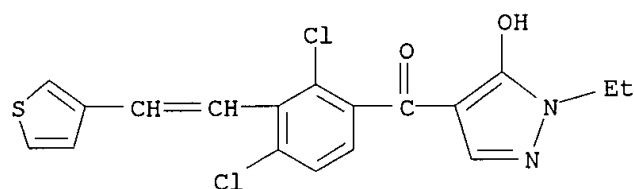
RN 215363-76-1 CAPLUS

CN Methanone,

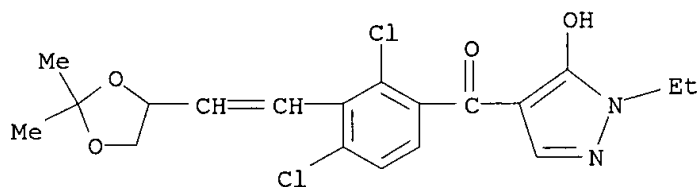
[2,4-dichloro-3-[2-(2-furanyl)ethenyl]phenyl] (1-ethyl-5-hydroxy-1H-pyrazol-4-yl)- (9CI) (CA INDEX NAME)



RN 215363-78-3 CAPLUS
 CN Methanone,
 [2,4-dichloro-3-[2-(3-thienyl)ethenyl]phenyl] (1-ethyl-5-hydroxy-
 1H-pyrazol-4-yl)- (9CI) (CA INDEX NAME)



RN 215363-88-5 CAPLUS
 CN Methanone, [2,4-dichloro-3-[2-(2,2-dimethyl-1,3-dioxolan-4-
 yl)ethenyl]phenyl] (1-ethyl-5-hydroxy-1H-pyrazol-4-yl)- (9CI) (CA INDEX
 NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L12 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1997:128298 CAPLUS

DOCUMENT NUMBER: 126:283263

TITLE: Extraction of copper with
 1,3-bis(1'-phenyl-3'-methyl-

5'-hydroxypyrazol-4'-oyl)benzene and with some
 .alpha.,.omega.-bis(1'-phenyl-3'-methyl-5'-
 hydroxypyrazol-4'-oyl)alkanes in chloroform

AUTHOR(S): Guiguemde, I.; Diantouba, B. A.; Lakkis, D.;
 Goetz-Grandmont, G. J.; Brunette, J. P.

CORPORATE SOURCE: Lab. Chimie Analytique Minerale, ECPMS, Strasbourg,
 67008, Fr.

SOURCE: Analusis (1996), 24(8), 318-324

CODEN: ANLSCY; ISSN: 0365-4877

PUBLISHER: Elsevier

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The extn. of copper with the new extractant

1,3-bis(1'-phenyl-3'-methyl-5'-hydroxypyrazol-4'-oyl)benzene, 'HL-mPh-LH', has been studied and compared to its extn. with the linear chain analogs, the .alpha.,.omega.-bis(1'-phenyl-3'-methyl-5'-hydroxypyrazol-4'-oyl)alkanes, 'HL-n-LH'(n, no. of methylene links). HL-mPh-LH is less lipophilic and more acidic than HL-n-LH. It appears under a keto-enol or diketo-amine tautomeric form in methanol and under an intramolecularly H-bonded chelated form in chloroform. Both forms are obsd. in the solid state. Copper is extd. in chloroform as Cu(L-mPh-LH)2, Cu2(L-mPh-L)2, Cu2(L-7-L)2 and Cu(L-n-L),

for

n .gtoreq. 8, although third-phase formation and loss of copper hinder the

extn. with HL-4-LH. 1,2-Dichloroethane is a more efficient diluent than chloroform. The special advantage of HL-mPh-LH is to reduce the main drawback obsd. with those extractants, i.e., third-phase formation.

IT 122993-33-3P

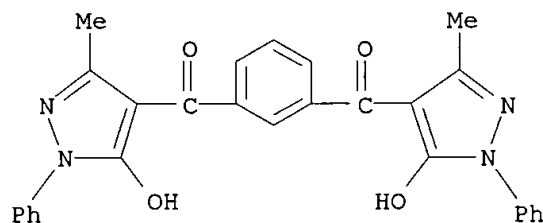
RL: NUU (Other use, unclassified); PEP (Physical, engineering or chemical process); PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses)

(extn. of copper with bis(phenylmethylhydroxypyrazolone)benzene and with bis(phenylmethylhydroxypyrazolone)alkanes in chloroform)

RN 122993-33-3 CAPLUS

CN Methanone,

1,3-phenylenebis[(5-hydroxy-3-methyl-1-phenyl-1H-pyrazol-4-yl)-(9CI) (CA INDEX NAME)



L12 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1991:177 CAPLUS

DOCUMENT NUMBER: 114:177

TITLE: Antiviral activity of certain acylpyrazolones

AUTHOR(S): Galabov, A.; Terebenina, A.; Dimitrova, K.; Todorova, O.; Karparov, A.; Borisov, G.

CORPORATE SOURCE: Inst. Microbiol., Sofia, Bulg.

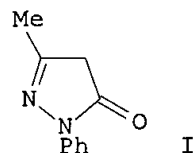
SOURCE: Doklady Bolgarskoi Akademii Nauk (1990), 43(5), 61-4

CODEN: DBANAD; ISSN: 0366-8681

DOCUMENT TYPE: Journal

LANGUAGE: English

GI



AB This study examd. the antiviral activity of some derivs. of 3-methyl-1-phenyl-pyrazolone-5 (MPP-5, I) as well as their complexes with copper, zinc, iron and manganese. The results show that almost always active are the 4-substituted acyclic derivs., giving chelated complexes with a lot of metals. This allows the assumption that the biol. activity is related to transfer of metals.

IT **112525-82-3**

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study);

USES

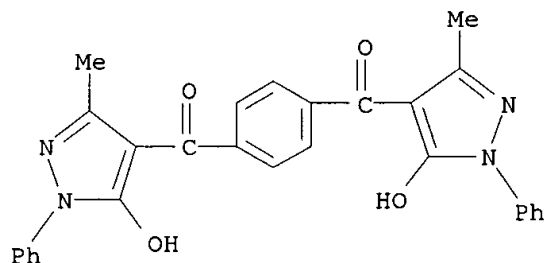
(Uses)

(antiviral activity of, structure in relation to)

RN 112525-82-3 CAPLUS

CN Methanone,

1,4-phenylenebis[(5-hydroxy-3-methyl-1-phenyl-1H-pyrazol-4-yl)-
(9CI) (CA INDEX NAME)



L12 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1990:98519 CAPLUS

DOCUMENT NUMBER: 112:98519

TITLE: Preparation of benzoylpyrazoles as herbicides

INVENTOR(S): Baba, Masatoshi; Kakuta, Takuya; Tanaka, Norio; Oya, Eiichi; Ikai, Takashi; Nawamaki, Tsutomu; Watanabe, Shigeomi

PATENT ASSIGNEE(S): Nissan Chemical Industries, Ltd., Japan; CG

SOURCE: Eur. Pat. Appl., 305 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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EP 282944	A2	19880921	EP 1988-103999	19880314
EP 282944	A3	19911009		

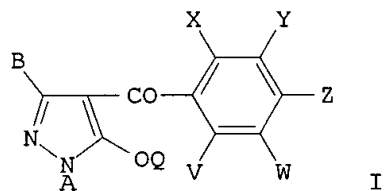
EP 282944	B1	19960911		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
US 4885022	A	19891205	US 1987-122366	19871118
IL 85659	A1	19920329	IL 1988-85659	19880307
AU 8813099	A1	19880915	AU 1988-13099	19880311
AU 599468	B2	19900719		
US 4948887	A	19900814	US 1988-168139	19880314
CA 1328260	A1	19940405	CA 1988-561419	19880314
AT 142624	E	19960915	AT 1988-103999	19880314
ES 2094719	T3	19970201	ES 1988-103999	19880314
HU 45847	A2	19880928	HU 1988-1213	19880315
HU 204513	B	19920128		
JP 02000173	A2	19900105	JP 1988-61349	19880315
JP 2725274	B2	19980311		
CN 88101455	A	19880928	CN 1988-101455	19880316
CN 1023011	B	19931208		
ZA 8801873	A	19891129	ZA 1988-1873	19880316
RO 100305	B1	19920608	RO 1988-132602	19880316
RO 105806	B1	19921230	RO 1988-143594	19880316
SU 1836018	A3	19930823	SU 1988-4355524	19880316
DK 8801464	A	19880918	DK 1988-1464	19880317
DK 170668	B1	19951127		
BR 8801218	A	19881025	BR 1988-1218	19880317
US 5175299	A	19921229	US 1991-785241	19911101
RU 2055836	C1	19960310	RU 1992-5011738	19920521
JP 10095702	A2	19980414	JP 1997-211488	19970806
JP 2943778	B2	19990830		
JP 11171828	A2	19990629	JP 1998-248300	19980902
JP 3008398	B2	20000214		

PRIORITY APPLN. INFO.:

JP 1987-61937	A	19870317
JP 1987-179797	A	19870717
JP 1987-247601	A	19870930
JP 1988-5449	A	19880113
US 1987-122366	B2	19871118
EP 1988-103999		19880314
US 1988-168139	A3	19880314
JP 1988-61349	A3	19880315
JP 1997-211488	A3	19880315
US 1990-504311	B3	19900404

OTHER SOURCE(S): MARPAT 112:98519

GI



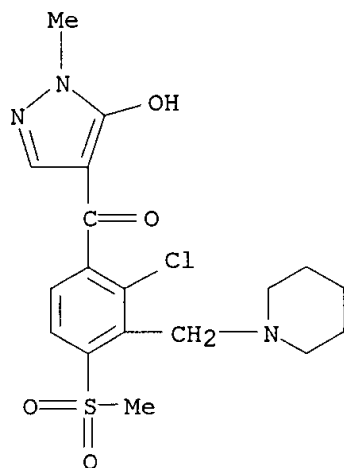
AB Title compds. I [A = C1-3 alkyl, C2-4 alkenyl, C2-4 alkynyl; B = H, C1-3 alkyl, halo, halo-C1-3 alkyl, C1-3 alkoxy, C1-3 alkylthio, C2-4 alkoxyalkyl, C2-4 alkylthioalkyl, C2-4 alkoxycarbonyl; X = C1-6 alkyl, C1-6 alkoxy, C2-6 alkoxyalkyl, halo, O2N, cyano, halo-C1-6 alkyl, etc.; Y = R1O2C, R1 = H, C1-6 alkyl, C3-8 cycloalkyl, C3-8 alkynyl, C2-6 alkenyl,

etc.; Z = halo, O₂N, C1-3 alkoxy, F₃C, cyano, C1-4 alkylthio, etc.; V = H, halo, C1-4 alkyl, C1-4 alkoxy; W = H, halo, C1-4 alkyl, halo-C1-4 alkyl, C1-4 alkoxy, C2-6 alkoxyalkyl, O₂N, cyano, C1-4 alkylthio, etc.; Q = H, (un)substituted C1-6 alkyl, (un)substituted C1-6 alkenyl, NCCH₂, (un)substituted Bz, C1-6 alkynyl, etc.] and a salt thereof, are prepd. 2,3,4-Me(MeOCH₂)(MeSO₂)C₆H₂CO₂H, 1-ethyl-5-hydroxypyrazole, DCC, and anhydr. K₂CO₃ were sequentially reacted at 80-90.degree. to give I (A = Et; B = Q = V = W = H; X = Me; Y = MeOCH₂; Z = MeSO₂) (II) in 66% yield. In soil and foliage treatment II, at 0.5 g/are, gave >90 control of such weeds as *Echinochloa crus-gali*, *Setaria viridis*, *Eleusine indica*, *Digitaria adscendens*, etc., without damage to corn.

IT **120101-18-0P**
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of, as herbicide)

RN 120101-18-0 CAPLUS

CN Methanone, [2-chloro-4-(methylsulfonyl)-3-(1-piperidinylmethyl)phenyl] (5-hydroxy-1-methyl-1H-pyrazol-4-yl)- (9CI) (CA INDEX NAME)



L12 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1989:553690 CAPLUS

DOCUMENT NUMBER: 111:153690

TITLE: Interaction of 3-methyl-1-phenyl-5-pyrazolone with isophthaloyl and phthaloyl chloride

AUTHOR(S): Terebenina, A.; Dimitrova, K.; Borisov, G.

CORPORATE SOURCE: Inst. Gen. Inorg. Chem., Sofia, 1040, Bulg.

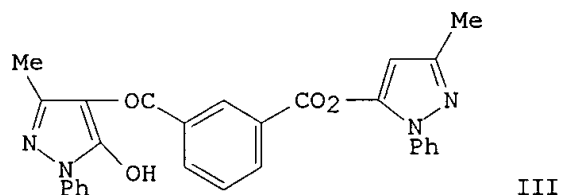
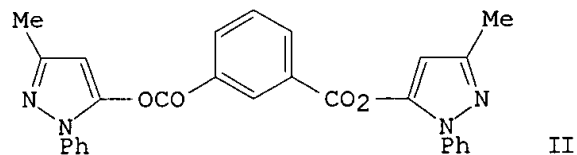
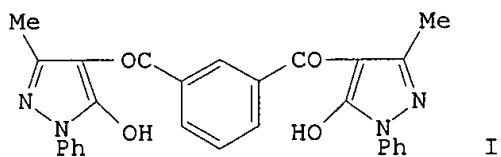
SOURCE: Izvestiya po Khimiya (1988), 21(1), 3-8
 CODEN: IZKHDX; ISSN: 0324-0401

DOCUMENT TYPE: Journal

LANGUAGE: Russian

OTHER SOURCE(S): CASREACT 111:153690

GI



AB The products of the title reactions depend on the reaction conditions. Thus, reaction of the pyrazolone with isophthaloyl chloride in pyridine contg. CaO gave 73% 4,4'-linked product (I), whereas the reaction in petroleum ether-benzene gave 80% 5,5'-linked product (II) and the

reaction

in THF contg. CaO gave 57% 4,5'-linked product (III).

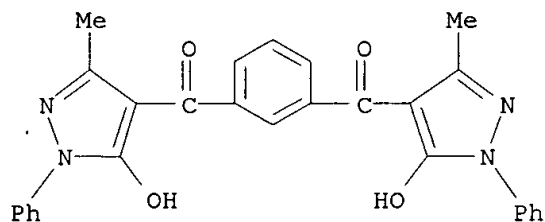
IT **122993-33-3P 122993-39-9P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 122993-33-3 CAPLUS

CN Methanone,

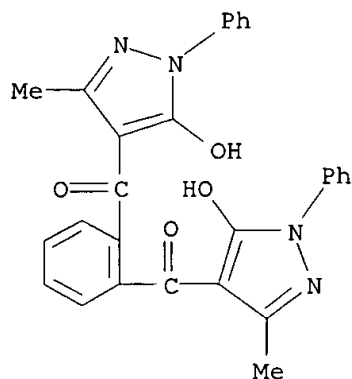
1,3-phenylenebis[(5-hydroxy-3-methyl-1-phenyl-1H-pyrazol-4-yl)-
(9CI) (CA INDEX NAME)



RN 122993-39-9 CAPLUS

CN Methanone,

1,2-phenylenebis[(5-hydroxy-3-methyl-1-phenyl-1H-pyrazol-4-yl)-
(9CI) (CA INDEX NAME)



L12 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1988:59051 CAPLUS

DOCUMENT NUMBER: 108:59051

TITLE: Metal-deactivating properties of some derivatives of 1-phenyl-3-methyl-5-pyrazolone in oxidation processes
 AUTHOR(S): Tanielyan, S.; Terebenina, A.; Ivanov, S.; Dimitrova, K.; Boneva, M.; Todorova, O.; Borisov, G.; Iordanov, N.

CORPORATE SOURCE: Inst. Org. Chem., Sofia, 1040, Bulg.

SOURCE: Izvestiya po Khimiya (1987), 20(3), 344-48

CODEN: IZKHDX; ISSN: 0324-0401

DOCUMENT TYPE: Journal

LANGUAGE: Russian

AB Five derivs. of 1-phenyl-3-methyl-5-pyrazolone were studied as Cu²⁺ deactivators for gasoline. Two of these compds. increased the induction time of gasoline oxidn. (at 393K and 1 MPa O) in the presence of Cu²⁺ from

40 to 152-215 min, which was comparable to that for Ionol. Cu complexes with all these derivs. were strong oxidn. initiators.

IT **112525-82-3**

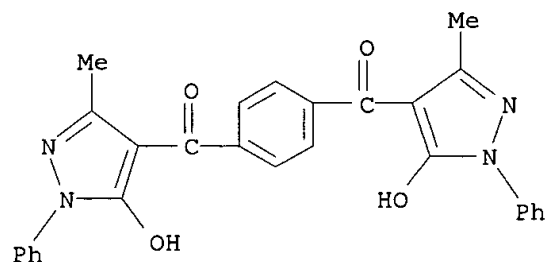
RL: USES (Uses)

(gasoline copper deactivator)

RN 112525-82-3 CAPLUS

CN Methanone,

1,4-phenylenebis[(5-hydroxy-3-methyl-1-phenyl-1H-pyrazol-4-yl)-
 (9CI) (CA INDEX NAME)



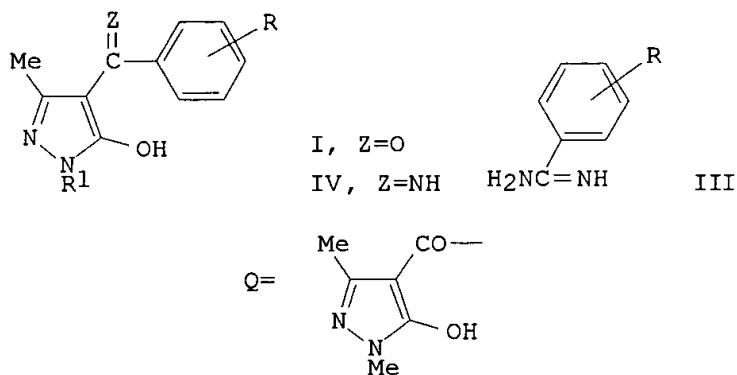
L12 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1977:423270 CAPLUS

DOCUMENT NUMBER: 87:23270
 TITLE: 4-Benzoylpyrazole derivatives
 INVENTOR(S): Jojima, Teruomi; Takeshiba, Hideo; Tomita, Kazuo;
 Konotsune, Takuo
 PATENT ASSIGNEE(S): Sankyo Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 51146464	A2	19761216	JP 1975-68814	19750607
JP 59024146	B4	19840607		

PRIORITY APPLN. INFO.: JP 1975-68814 19750607
 GI



AB Herbicidal (no data) 4-benzoyl-5-hydroxypyrazole derivs. I (R,R1 = 2,4-Cl2, Me (II); 2,4-Cl2, CH2CO2Et; 4-NO2, Me; 2,4-Cl2, allyl) were prepd. by reaction of hydroxymethylpyrazoles with benzamidine derivs. III followed by hydrolysis of the resulting imidoyl derivs. IV. Analogously, 4-QC6H4Q were prepd. by reaction of hydroxypyrazoles with terephthalamidine followed by hydrolysis. Thus, a mixt. of 11.2 g 1,3-dimethyl-5-hydroxypyrazole and 24.7 g 2,4-dichlorobenzamidine in xylene was refluxed 4 h to give 77% 1,3-dimethyl-4-(2,4-dichlorobenzimidoyl)-5-hydroxypyrazole, which (5 g) was refluxed in 5%

aq.

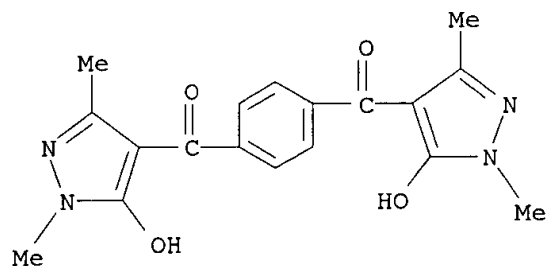
NaOH 3 h to give 4.2 g II.

IT **63124-50-5P**

RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)

RN 63124-50-5 CAPLUS

CN Methanone, 1,4-phenylenebis[(5-hydroxy-1,3-dimethyl-1H-pyrazol-4-yl)-
 (9CI) (CA INDEX NAME)



=> fil stnguide

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

63.25

513.81

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

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NEWS 3 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4 Apr 09 ZDB will be removed from STN
NEWS 5 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and
IFIUDB
NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and
ZCAPLUS
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 9 Jun 03 New e-mail delivery for search results now available
NEWS 10 Jun 10 MEDLINE Reload
NEWS 11 Jun 10 PCTFULL has been reloaded
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;
saved answer sets no longer valid
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY
NEWS 15 Jul 30 NETFIRST to be removed from STN
NEWS 16 Aug 08 CANCERLIT reload
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18 Aug 08 NTIS has been reloaded and enhanced
NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)
now available on STN
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced
NEWS 24 Sep 16 Experimental properties added to the REGISTRY file
NEWS 25 Sep 16 CA Section Thesaurus available in CAPLUS and CA
NEWS 26 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985
NEWS 27 Oct 21 EVENTLINE has been reloaded
NEWS 28 Oct 24 BEILSTEIN adds new search fields
NEWS 29 Oct 24 Nutraceuticals International (NUTRACEUT) now available on
STN
NEWS 30 Oct 25 MEDLINE SDI run of October 8, 2002
NEWS 31 Nov 18 DKILIT has been renamed APOLLIT
NEWS 32 Nov 25 More calculated properties added to REGISTRY
NEWS 33 Dec 02 TIBKAT will be removed from STN
NEWS 34 Dec 04 CSA files on STN
NEWS 35 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 36 Dec 17 TOXCENTER enhanced with additional content
NEWS 37 Dec 17 Adis Clinical Trials Insight now available on STN
NEWS 38 Dec 30 ISMEC no longer available

NEWS 39 Jan 21 NUTRACEUT offering one free connect hour in February 2003
 NEWS 40 Jan 21 PHARMAML offering one free connect hour in February 2003
 NEWS 41 Jan 29 Simultaneous left and right truncation added to COMPENDEX,
 ENERGY, INSPEC
 NEWS 42 Feb 13 CANCERLIT is no longer being updated
 NEWS 43 Feb 24 METADEX enhancements
 NEWS 44 Feb 24 PCTGEN now available on STN
 NEWS 45 Feb 24 TEMA now available on STN
 NEWS 46 Feb 26 NTIS now allows simultaneous left and right truncation
 NEWS 47 Feb 26 PCTFULL now contains images
 NEWS 48 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results
 NEWS 49 Mar 19 APOLLIT offering free connect time in April 2003
 NEWS 50 Mar 20 EVENTLINE will be removed from STN
 NEWS 51 Mar 24 PATDPAFULL now available on STN
 NEWS 52 Mar 24 Additional information for trade-named substances without
 structures available in REGISTRY
 NEWS 53 Mar 24 Indexing from 1957 to 1966 added to records in CA/CAPLUS

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 CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
 AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002

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FULL ESTIMATED COST	0.21	0.21

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STRUCTURE FILE UPDATES: 2 APR 2003 HIGHEST RN 501410-52-2
 DICTIONARY FILE UPDATES: 2 APR 2003 HIGHEST RN 501410-52-2

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<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

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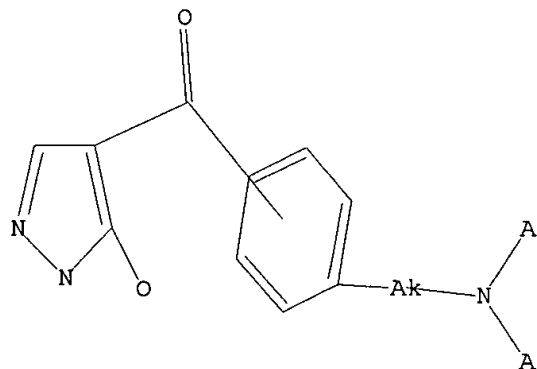
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L1 STRUCTURE UPLOADED

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L1 HAS NO ANSWERS

L1 STR



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FULL SEARCH INITIATED 09:21:17 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 12321 TO ITERATE

100.0% PROCESSED 12321 ITERATIONS

32 ANSWERS

SEARCH TIME: 00.00.01

L2 32 SEA SSS FUL L1

=> s l2 and caplus/lc

27129798 CAPLUS/LC

L3 32 L2 AND CAPLUS/LC

=> fil caplus

COST IN U.S. DOLLARS

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TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

152.37

152.58

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FILE LAST UPDATED: 3 Apr 2003 (20030403/ED)

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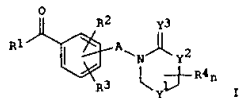
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L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2003 ACS

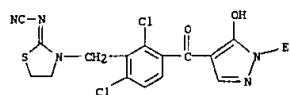
ACCESSION NUMBER: 2002:107336 CAPLUS
DOCUMENT NUMBER: 136:151159
TITLE: Preparation of heteroaryliden cyanamides as herbicides
INVENTOR(S): Mueller, Klaus-Helmut; Herrmann, Stefan; Hoischen, Dorothee; Lehr, Stefan; Schwarz, Hans-Georg; Schallner, Otto; Drewes, Mark Wilhelm; Dahmen, Peter;
Feucht, Dieter; Pontzen, Rolf
PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 85 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002010155	A1	20020207	WO 2001-EP8225	20010717
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10037149 A1 20020207 DE 2000-10037149 A 20000729				
PRIORITY APPL. INFO.: OTHER SOURCE(S): MARPAT 136:151159				
G1				



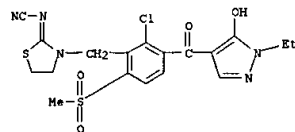
AB Title compds. [I: n = 0-4; A = alkylene; R1 = (substituted) 1-cyano-2-hydroxy-2-en-2-yl, 1H-pyrazol-4-yl, 4-isoxazolyl, alkylcarbonyl; R2,

L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2003 ACS (Continued)
R3 = H, NO2, cyano, CO2H, carbamoyl, thiocarbamoyl, halo, (substituted) alkyl, alkoxy, etc.; R4 = (substituted) alkyl; Y1 = bond, O, S, N2, (substituted) alkylene; Y2 = S, N2; Y3 = NY4, NY4Y5, O; Y4 = H, cyano, NO2, (substituted) alkylcarbonyl, alkylsulfonyl, arylcarbonyl, arylsulfonyl; Y5 = cyano, NO2, (substituted) alkylcarbonyl, alkylsulfonyl, arylcarbonyl, arylsulfonyl; Z = H, (substituted) alkyl, alkenyl, alkynyl, were prepd. Thus, a mixt. of 2-[(2-cyanoimino-1,3-thiazol-3-yl)methyl]-4-trifluoromethylbenzoic acid (prepn. given), 1,3-cyclohexanedione, and dicyclohexylcarbodiimide (DCC) in MeCN was stirred for 20 h at room temp. followed by addn. of Et3N and Me3SiCN and stirring for 2 h at room temp. to give 3-[2-[(2,6-dioxocyclohexyl)carbonyl]-5-trifluoromethylbenzyl]-1,3-thiazol-2-ylidene cyanamide. I were said to show very strong pre- and postemergent herbicidal activity and good crop tolerance.
IT 395069-24-6P 395069-26-8P 395069-35-9P 395069-36-0P 395069-37-1P 395069-38-2P 395069-41-7P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of heteroaryliden cyanamides as herbicides)
RN 395069-24-6 CAPLUS
CN Cyanamide, [3-[(2,6-dichloro-3-[(1-ethyl-5-hydroxy-1H-pyrazol-4-yl)carbonyl]phenyl)methyl]-2-thiazolidinylidene]- (9CI) (CA INDEX NAME)

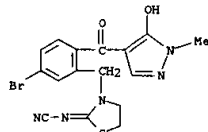


RN 395069-26-8 CAPLUS
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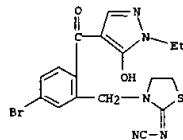
L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 395069-35-9 CAPLUS
CN Cyanamide, [3-[(5-bromo-2-[(5-hydroxy-1-methyl-1H-pyrazol-4-yl)carbonyl]phenyl)methyl]-2-thiazolidinylidene]- (9CI) (CA INDEX NAME)

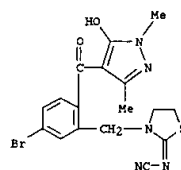


RN 395069-36-0 CAPLUS
CN Cyanamide, [3-[(5-bromo-2-[(1-ethyl-5-hydroxy-1H-pyrazol-4-yl)carbonyl]phenyl)methyl]-2-thiazolidinylidene]- (9CI) (CA INDEX NAME)

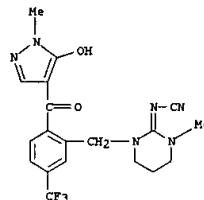


RN 395069-37-1 CAPLUS
CN Cyanamide, [3-[(5-bromo-2-[(5-hydroxy-1,3-dimethyl-1H-pyrazol-4-yl)carbonyl]phenyl)methyl]-2-thiazolidinylidene]- (9CI) (CA INDEX NAME)

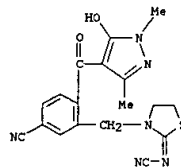
L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 395069-38-2 CAPLUS
CN Cyanamide, [tetrahydro-1-[[2-[(5-hydroxy-1-methyl-1H-pyrazol-4-yl)carbonyl]-5-(trifluoromethyl)phenyl)methyl]-3-methyl-2(1H)-pyrimidinylidene]- (9CI) (CA INDEX NAME)



RN 395069-41-7 CAPLUS
CN Cyanamide, [3-[(5-cyano-2-[(5-hydroxy-1,3-dimethyl-1H-pyrazol-4-yl)carbonyl]phenyl)methyl]-2-thiazolidinylidene]- (9CI) (CA INDEX NAME)

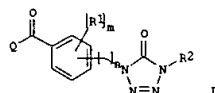


L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2003 ACS (Continued)
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS
FORMAT RECORD. ALL CITATIONS AVAILABLE IN THE RE

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:115133 CAPLUS
DOCUMENT NUMBER: 134:163041
TITLE: Preparation of herbicidal tetrazolinones
Yanagi, Akihiko; Narabu, Shinichi; Goto, Toshio; Ito, Seishi; Ueno, Chieko
PATENT ASSIGNEE(S): Nihon Bayer Agrochem K.K., Japan
SOURCE: PCT Int. Appl., 115 pp.
CODEN: FIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

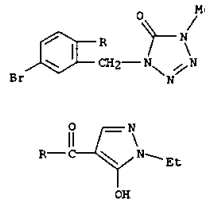
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001010850	A1	20010215	WO 2000-1B1064	20000728
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RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
BR 2000013075	A	20020521	BR 2000-13075	20000728
EP 1208090	A1	20020529	EP 2000-944182	20000728
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL			
JP 2003506443	T2	20030218	JP 2001-515316	20000728
JP 2001114769	A2	20010424	JP 2000-231450	20000731
PRIORITY APPLN. INFO.:			JP 1999-226845 A	19990810
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OTHER SOURCE(S):			MARPAT 134:163041	
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L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2003 ACS (Continued)

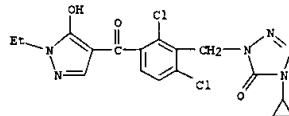


AB The title compds. [I; R1 = halo, alkyl, haloalkyl, etc.; R2 = H, alkyl, (un)substituted cycloalkyl, etc.; m = 0-2; n = 0-1; Q = (un)substituted 1,3-dioxo-2-cyclohexanyl, 5-hydroxy-4-pyrazolyl, 4-isoxazolyl, etc.], useful as herbicides, were prepd. Thus, treatment of 2,4-dichloro-3-(4,5-dihydro-4-methyl-5-oxo-1H-tetrazol-1-yl)benzoic acid with SOCl2 followed by reaction of the resulting acid chloride with 1,3-cyclohexanedione afforded 51% II which showed more than 90% of herbicidal activity against barnyardgrass, foxtail, common amaranth and knotweed at 2.0 kg/ha.
IT 325459-96-9P 325460-11-5P 325460-19-3P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of herbicidal tetrazolinones)
RN 325459-96-9 CAPLUS
CN 5H-Tetrazol-5-one, 1-[[[5-bromo-2-[(1-ethyl-5-hydroxy-1H-pyrazol-4-yl)carbonyl]phenyl]methyl]-1,4-dihydro-4-methyl- (9CI) (CA INDEX NAME)

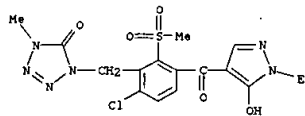
L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2003 ACS (Continued)



RN 325460-11-5 CAPLUS
CN 5H-Tetrazol-5-one, 1-[[[2,6-dichloro-3-[(1-ethyl-5-hydroxy-1H-pyrazol-4-yl)carbonyl]phenyl]methyl]-1,4-dihydro- (9CI) (CA INDEX NAME)



RN 325460-19-3 CAPLUS
CN 5H-Tetrazol-5-one, 1-[[[6-chloro-3-[(1-ethyl-5-hydroxy-1H-pyrazol-4-yl)carbonyl]-2-(methylsulfonyl)phenyl]methyl]-1,4-dihydro-4-methyl- (9CI) (CA INDEX NAME)

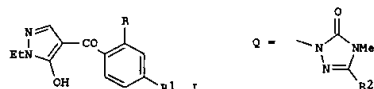


REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS
FORMAT RECORD. ALL CITATIONS AVAILABLE IN THE RE

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2000:686146 CAPLUS
 DOCUMENT NUMBER: 133:252427
 TITLE: Preparation of herbicidal benzoylpyrazoles
 INVENTOR(S): Mueller, Klaus-Helmut; Lehr, Stefan; Schallner, Otto;
 Schwarz, Hans-Georg; Wroblowsky, Heinz-Juergen; Drewes, Mark Wilhelm; Feucht, Dieter; Pontzen, Rolf;
 Wetcholowsky, Ingo
 PATENT ASSIGNEE(S): Bayer A.-G., Germany
 SOURCE: Ger. Offen., 108 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19914140	A1	20000928	DE 1999-19914140	19990327
WO 2000059306	A1	20001005	WO 2000-EP2292	20000315
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TH, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, T2, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CG, CI, CH, GA, GN, GW, ML, MR, NE, SN, TD, TG				
BR 2000009389	A	20011226	BR 2000-9389	20000315
EP 1165547	A1	20020102	EP 2000-912609	20000315
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JP 2002540205	T2	20021126	JP 2000-608008	20000315
PRIORITY APPLN. INFO.: DE 1999-19914140 A 19990327				
WO 2000-EP2292 W 20000315				
OTHER SOURCE(S): MARPAT 133:252427				
GI				

Instant app.



AB Benzoylpyrazole derivs., such as I [R = Cl, R1 = Q, R2 = CF3; R = CH2Q, R1 = CF3, R2 = OEt, SMe], were prepd. for use as herbicides (no data). Thus, the triazolylbenzoyl chloride was treated with 1-ethyl-5-pyrazolol to give I [R = Cl, R1 = Q, R2 = CF3].

IT 295796-73-5P 295796-74-6P 295796-75-7P
 295796-76-8P 295796-77-9P 295796-78-0P
 295796-79-1P 295796-80-2P 295796-81-3P
 295796-82-4P 295796-83-5P 295796-84-6P
 295796-85-7P 295796-86-8P 295796-87-9P
 295796-88-0P 295796-89-1P 295796-90-2P
 295796-91-3P 295796-92-4P 295796-93-5P
 295796-94-6P 295796-95-7P 295796-96-8P
 295796-97-9P 295796-98-0P 295796-99-1P
 295796-100-2P

RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of herbicidal benzoylpyrazoles)

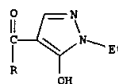
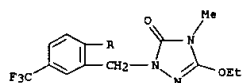
RN 295796-73-5 CAPLUS

CN 3H-1,2,4-Triazol-3-one,

5-ethoxy-2-[[2-[(1-ethyl-5-hydroxy-1H-pyrazol-4-yl)carbonyl]-5-(trifluoromethyl)phenyl]methyl]-2,4-dihydro-4-methyl-

(9CI)

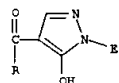
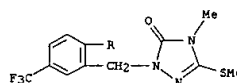
(CA INDEX NAME)



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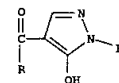
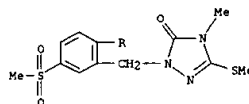
CN 3H-1,2,4-Triazol-3-one, 2-[[2-[(1-ethyl-5-hydroxy-1H-pyrazol-4-

yl)carbonyl]-5-(trifluoromethyl)phenyl]methyl]-2,4-dihydro-4-methyl-5-



RN 295796-75-7 CAPLUS

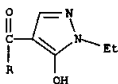
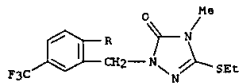
CN 3H-1,2,4-Triazol-3-one, 2-[[2-[(1-ethyl-5-hydroxy-1H-pyrazol-4-yl)carbonyl]-5-(methylsulfonyl)phenyl]methyl]-2,4-dihydro-4-methyl-5-(methylthio)- (9CI) (CA INDEX NAME)



RN 295796-76-8 CAPLUS

CN 3H-1,2,4-Triazol-3-one, 2-[[2-[(1-ethyl-5-hydroxy-1H-pyrazol-4-

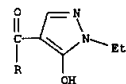
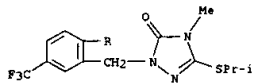
yl)carbonyl]-5-(trifluoromethyl)phenyl]methyl]-5-(ethylthio)-2,4-dihydro-4-methyl- (9CI) (CA INDEX NAME)



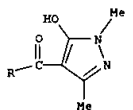
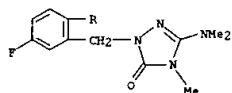
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CN      3H-1,2,4-Triazol-3-one, 2-[[2-[(1-ethyl-5-hydroxy-1H-pyrazol-4-
yl)carbonyl]-5-(trifluoromethyl)phenyl)methyl]-2,4-dihydro-4-methyl-5-[(1-
methyl)ethyl]thio]- (9CI) (CA INDEX NAME)

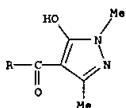
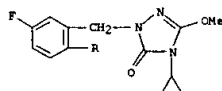
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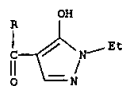
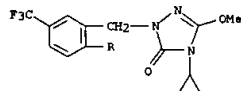
RN 295796-78-0 CAPLUS
 CN 3H-1,2,4-Triazol-3-one,
 4-cyclopropyl-2-[[2-[(1-ethyl-5-hydroxy-1H-pyrazol-
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 (9CI) (CA INDEX NAME)



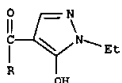
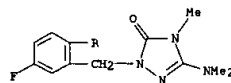
RN 295796-81-5 CAPLUS
 CN 3H-1,2,4-Triazol-3-one, 4-cyclopropyl-2-[[5-fluoro-2-[(5-hydroxy-1,3-dimethyl-1H-pyrazol-4-yl)carbonyl]phenyl]methyl]-2,4-dihydro-5-methoxy-
 (9CI) (CA INDEX NAME)



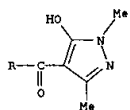
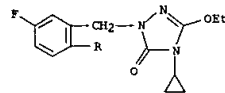
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(9CI)
(CA INDEX NAME)



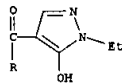
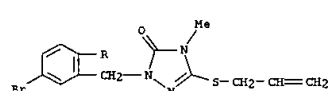
RN 295796-79-1 CAPLUS
 CN 3H-1,2,4-Triazol-3-one,
 5-(dimethylamino)-2-[[2-[(1-ethyl-5-hydroxy-1H-
 pyrazol-4-yl)carbonyl]-5-fluorophenyl)methyl]-2,4-dihydro-4-methyl-
 (9CI)
 (CA INDEX NAME)



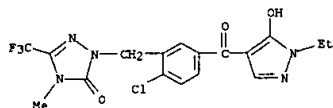
RN 295796-80-4 CAPLUS
CN 3H-1,2,4-Triazol-3-one,
5-(dimethylamino)-2-[[5-fluoro-2-[[5-hydroxy-1,3-
dimethyl-1H-pyrazol-4-yl]carbonyl]phenyl]methyl]-2,4-dihydro-4-methyl-
(9CI) (CA INDEX NAME)



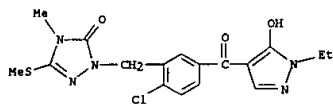
RN 295796-83-7 CAPLUS
CN 3H-1,2,4-Triazol-3-one,
2-[[5-bromo-2-[(1-ethyl-5-hydroxy-1H-pyrazol-4-
yl)carbonyl]phenyl]methyl]-2,4-dihydro-4-methyl-5-(2-propenylthio)-
(9CI)
(CA INDEX NAME)



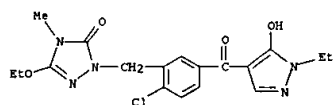
RN 295796-88-2 CAPLUS
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yl]carbonyl]phenyl]methyl]-2,4-dihydro-4-methyl-5-(trifluoromethyl)-
(9CI)
(CA INDEX NAME)



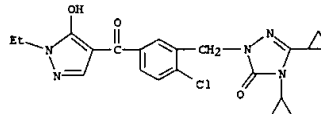
RN 295796-89-3 CAPLUS
CN 3H-1,2,4-Triazol-3-one,
2-[[2-chloro-5-[(1-ethyl-5-hydroxy-1H-pyrazol-4-yl)carbonyl]phenyl]methyl]-2,4-dihydro-4-methyl-5-(methylthio)- (9CI) (CA INDEX NAME)



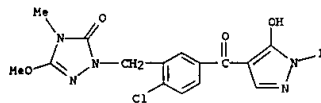
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CN 3H-1,2,4-Triazol-3-one,
2-[[2-chloro-5-[(1-ethyl-5-hydroxy-1H-pyrazol-4-yl)carbonyl]phenyl]methyl]-5-ethoxy-2,4-dihydro-4-methyl- (9CI) (CA INDEX NAME)



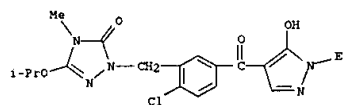
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CN 3H-1,2,4-Triazol-3-one,
2-[[2-chloro-5-[(1-ethyl-5-hydroxy-1H-pyrazol-4-yl)carbonyl]phenyl]methyl]-4,5-dicyclopropyl-2,4-dihydro- (9CI) (CA INDEX NAME)



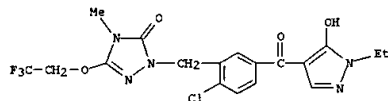
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CN 3H-1,2,4-Triazol-3-one,
2-[[2-chloro-5-[(1-ethyl-5-hydroxy-1H-pyrazol-4-yl)carbonyl]phenyl]methyl]-2,4-dihydro-5-methoxy-4-methyl- (9CI) (CA INDEX NAME)



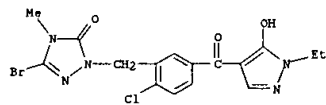
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CN 3H-1,2,4-Triazol-3-one,
2-[[2-chloro-5-[(1-ethyl-5-hydroxy-1H-pyrazol-4-yl)carbonyl]phenyl]methyl]-2,4-dihydro-4-methyl-5-(1-methylethoxy)- (9CI) (CA INDEX NAME)



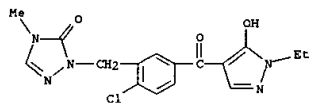
RN 295796-95-1 CAPLUS
CN 3H-1,2,4-Triazol-3-one,
2-[[2-chloro-5-[(1-ethyl-5-hydroxy-1H-pyrazol-4-yl)carbonyl]phenyl]methyl]-2,4-dihydro-4-methyl-5-(2,2,2-trifluoroethoxy)- (9CI) (CA INDEX NAME)



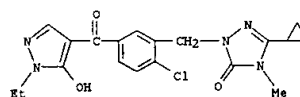
RN 295796-96-2 CAPLUS
CN 3H-1,2,4-Triazol-3-one,
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RN 295796-97-3 CAPLUS
CN 3H-1,2,4-Triazol-3-one,
2-[[2-chloro-5-[(1-ethyl-5-hydroxy-1H-pyrazol-4-yl)carbonyl]phenyl]methyl]-2,4-dihydro-4-methyl- (9CI) (CA INDEX NAME)



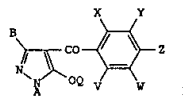
RN 295796-98-4 CAPLUS
CN 3H-1,2,4-Triazol-3-one,
2-[[2-chloro-5-[(1-ethyl-5-hydroxy-1H-pyrazol-4-yl)carbonyl]phenyl]methyl]-5-cyclopropyl-2,4-dihydro-4-methyl- (9CI) (CA INDEX NAME)



L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1990:98519 CAPLUS
 DOCUMENT NUMBER: 112:98519
 TITLE: Preparation of benzoxypyrazoles as herbicides
 INVENTOR(S): Baba, Masatoshi; Kakuta, Takuya; Tanaka, Norio;
 Oya, Eiichi; Ikai, Takashi; Nawamaki, Tsutomu;
 Watanabe, Shigeomi
 PATENT ASSIGNEE(S): Nissan Chemical Industries, Ltd., Japan; CG
 SOURCE: Eur. Pat. Appl., 305 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

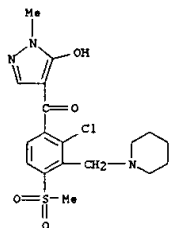
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 282944	A2	19880921	EP 1988-103999	19880314
EP 282944	A3	19911009		
EP 282944	B1	19960911		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
US 4885022	A	19891205	US 1987-122366	19871118
IL 85659	A1	19920329	IL 1988-85659	19880307
AU 8813099	A1	19880915	AU 1988-13099	19880311
AU 599468	B2	19900719		
US 4948887	A	19900814	US 1988-168139	19880314
CA 1328260	A1	19940405	CA 1988-561419	19880314
AT 142624	E	19960915	AT 1988-103999	19880314
ES 2094719	T3	19970201	ES 1988-103999	19880314
HU 45847	A2	19880928	HU 1988-1213	19880315
HU 204513	B	19920128		
JP 02000173	A2	19900105	JP 1988-61349	19880315
JP 2725274	B2	19980311		
CN 88101455	A	19880928	CN 1988-101455	19880316
CN 1023011	B	19931208		
ZA 8801873	A	19891129	ZA 1988-1873	19880316
RO 100305	B1	19920608	RO 1988-132602	19880316
RO 105806	B1	19921230	RO 1988-143594	19880316
SU 1836018	A3	19930823	SU 1988-435524	19880316
DK 8801464	A	19880918	DK 1988-1464	19880317
DK 170668	B1	19951127		
BR 8801218	A	19881025	BR 1988-1218	19880317
US 5175299	A	19921229	US 1991-785241	19911101
RU 2055836	C1	19960310	RU 1992-5011738	19920521
JP 10095702	A2	19980414	JP 1997-211488	19970806
JP 2943778	B2	19990830		
JP 11171828	A2	19990629	JP 1998-248300	19980902
JP 3008398	B2	20000214		
PRIORITY APPLN. INFO.:				
			JP 1987-61937	A 19870317
			JP 1987-179797	A 19870717
			JP 1987-247601	A 19870930
			JP 1988-5449	A 19880113
			US 1987-122366	B2 19871118
			EP 1988-103999	19880314
			US 1988-168139	A3 19880314

L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS (Continued)
 JP 1988-61349 A3 19880315
 JP 1997-211488 A3 19880315
 US 1990-504311 B3 19900404
 OTHER SOURCE(S): MARPAT 112:98519
 G1



AB Title compds. I [A = C1-3 alkyl, C2-4 alkenyl, C2-4 alkynyl; B = H, C1-3 alkyl, halo, halo-C1-3 alkyl, C1-3 alkoxy, C1-3 alkylthio, C2-4 alkoxyalkyl, C2-4 alkylthioalkyl, C2-4 alkoxyalkoxy, X = C1-6 alkyl, C1-6 alkoxy, C2-6 alkoxyalkyl, halo, O2N, cyano, halo-C1-6 alkyl, etc.; Y = R1O2C, R1 = H, C1-6 alkyl, C3-8 cycloalkyl, C3-8 alkynyl, C2-6 alkenyl, etc.; Z = halo, O2N, C1-3 alkoxy, F3C, cyano, C1-4 alkylthio, etc.; V = H, halo, C1-4 alkyl, C1-4 alkoxy; W = H, halo, C1-4 alkyl, halo-C1-4 alkyl, C1-4 alkoxy, C2-6 alkoxyalkyl, O2N, cyano, C1-4 alkylthio, etc.; Q = H, (un)substituted C1-6 alkyl, (un)substituted C1-6 alkenyl, NCCH2, (un)substituted Bz, C1-6 alkynyl, etc.] and a salt thereof, are prepd. 2,3,4-Me(MeOCH2)(MeSO2)C6H2CO2H, 1-ethyl-5-hydroxypyrazole, DCC, and anhydr. K2CO3 were sequentially reacted at 80-90.degree. to give I (A = Et; B = Q = V = W = H; X = Me; Y = MeOCH2; Z = MeSO2) (II) in 66% yield. In soil and foliage treatment II, at 0.5 g/are, gave >90 control of such weeds as Echinochloa crus-gali, Setaria viridis, Eleusine indica, Digitaria adscendens, etc., without damage to corn.
 IT 120101-18-00P
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) [prepn. of, as herbicide]
 RN 120101-18-0 CAPLUS
 CN Methanone, [2-chloro-4-(methylsulfonyl)-3-(1-piperidinylmethyl)phenyl] 5-hydroxy-1-methyl-1H-pyrazol-4-yl)- (9CI) (CA INDEX NAME)

L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS (Continued)



COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
-2.60	-2.60

CA SUBSCRIBER PRICE

FILE 'REGISTRY' ENTERED AT 09:22:36 ON 04 APR 2003
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

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STRUCTURE FILE UPDATES:      2 APR 2003   HIGHEST RN  501410-52-2
DICTIONARY FILE UPDATES:    2 APR 2003   HIGHEST RN  501410-52-2
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TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

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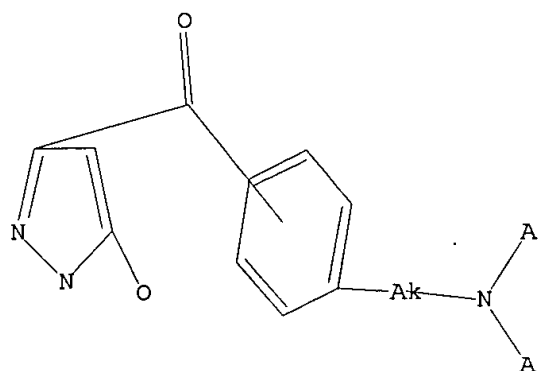
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L5 HAS NO ANSWERS

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Structure attributes must be viewed using STN Express query preparation.

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FULL SEARCH INITIATED 09:23:03 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 9709 TO ITERATE

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SEARCH TIME: 00.00.01

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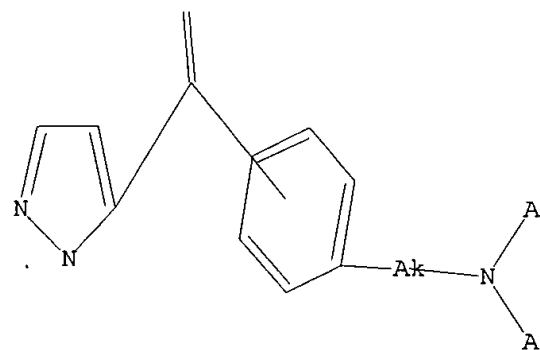
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L7 HAS NO ANSWERS

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FULL SCREEN SEARCH COMPLETED - 66867 TO ITERATE

100.0% PROCESSED 66867 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.02

L8 0 SEA SSS FUL L7

=> fil stnguide

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	296.30	467.86
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.60

FILE 'STNGUIDE' ENTERED AT 09:24:00 ON 04 APR 2003
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AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Mar 31, 2003 (20030331/UP).

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---Logging off of STN---

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Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
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